Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A heat sink comprising:

a thermally conductive base comprised of a variable density graphite foam article having a first and second opposed surfaces; ~~and~~

an electronic component thermally coupled to the second surface of the thermally conductive base;

a copper article spread on the second surface of the thermally conductive base; and

a copper sleeve spread between the first and second surfaces.

Claim 2 (Original): The heat sink of claim 1, further comprising a plurality of fin structures extending upwardly from the thermally conductive base.

Claim 3 (Original): The heat sink of claim 1, wherein the thermally conductive base density is comprised of about 90% graphite foam.

Claim 4 (Original): The heat sink of claim 2, wherein the plurality of fin structures is comprised of about 25% graphite foam.

Claim 5 (Original): The heat sink of claim 2 wherein the plurality of fin structures are formed at the first surface of the thermally conductive base.

Claim 6 (Cancelled)

Claim 7 (Currently Amended): The heat sink of ~~claim 6~~ claim 1, wherein the copper article contacts the electronic component.

Claim 8 (Currently Amended): The heat sink of ~~claim 6~~ claim 1, wherein the copper article is about .125" thick.

Claim 9 (Cancelled)

Claim 10 (Original): The heat sink of claim 3, wherein the nominal dimensions of the 90% dense graphite foam base is about 1.331"x 1.091" and 1.43" high with corner radii of 0.151".

Claim 11 (Currently Amended): A heat sink comprising a variable density graphite foam article shaped so as to provide a first and second surfaces, wherein arranging the second surface of the graphite foam article in operative connection with an electronic component causes dissipation of heat from the electronic component through the second surface of the graphite foam article and wherein a copper article is spread over the second surface and a copper sleeve is spread between the first and second surfaces.

Claim 12 (Cancelled)

Claim 13 (Original): The heat sink of claim 11 wherein the first surface of the graphite foam article is comprised of about 25% graphite foam.

Claim 14 (Original): The heat sink of claim 11 wherein the second surface of the graphite foam article is comprised of about 90% graphite foam.

Claim 15 (Cancelled)

Claims 16-21 (Cancelled)